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(54) METHOD AND DEVICE FOR NUCLEAR MAGNETIC RESONANCE IMAGE

interfering the next sequence or the other sequence of the residual magnetization.

(57) Abstract:

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PURPOSE: To eliminate the influence of a residual magnetization by further impressing a resonance diphasing gradient pulse magnetized in a residue in a series of cyclically repeating processes.

CONSTITUTION: In a third crossing direction, it adds a diphasing readout gradient pulse 60 before a data collection. When the data is collected, it adds a primary read-out gradient pulse 62 having a reversible magnetism. A gradient echo 64 is generated at a predetermined position between the primary read-out gradient pulse 62 by performing and sizing in order the timing of the read-out gradient pulse. The diphasing read-out pulse 66 of the residual magnetization is added after the primary read-out gradient. A size of the diphasing pulse of the residual magnetization is a size of not refocussing when the data is collected by the residual magnetization. An area of the diphasing read-out gradient pulse 66 is selected as to a prior read-out gradient pulse and the primary read-out gradient pulse so as to not form an echo at the time of

